
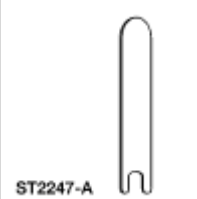


SECTION 303-04C: Fuel Charging and Controls — 7.3L Diesel 2002 F-Super Duty/Excursion Workshop Manual
REMOVAL AND INSTALLATION

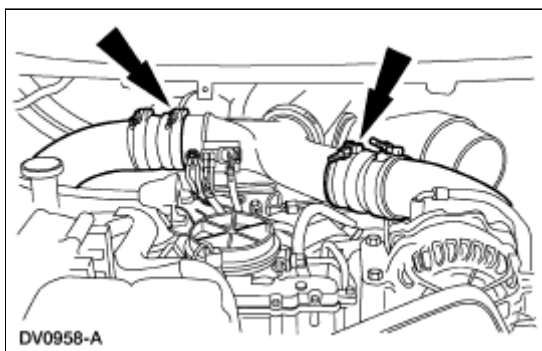
Oil Pump —High-Pressure

Special Tool(s)

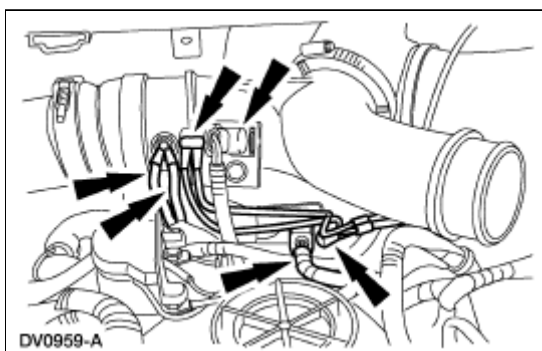
 ST1526-A	Oil Suction Gun 303-D104 (D94T-9000-A) or Equivalent
 ST2247-A	High-Pressure Line Disconnect Tool 303-625

Removal

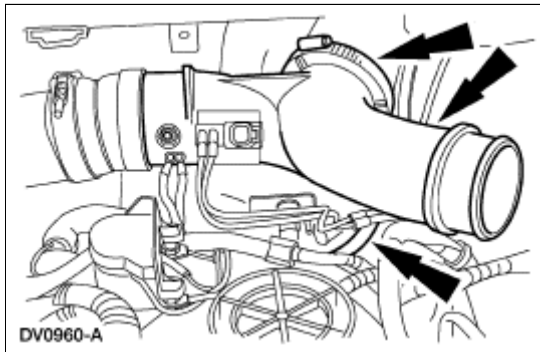
1. Disconnect the charge air cooler inlet and outlet pipes.



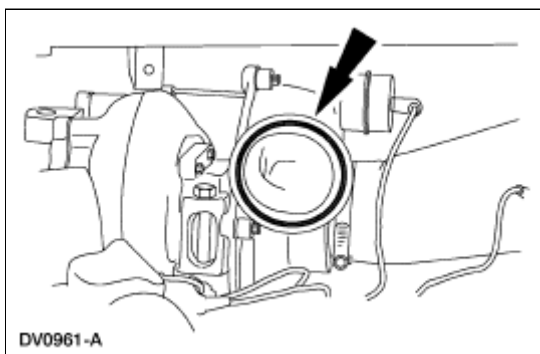
2. Label and disconnect the intake air temperature (IAT) sensor electrical connector, manifold absolute pressure (MAP) sensor electrical connector and the pressure hoses.



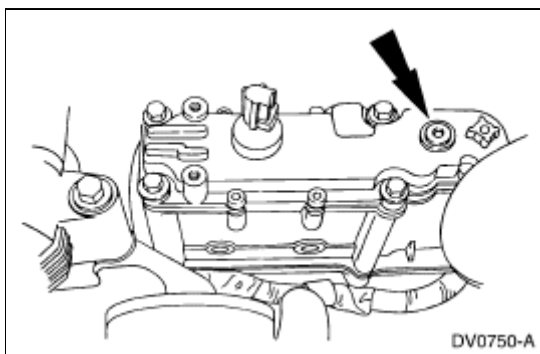
3. Loosen the clamps. Remove the compressor manifold.



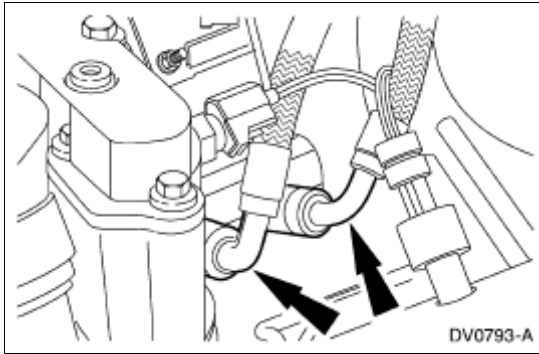
4. Remove and discard the compressor manifold O-ring seal.



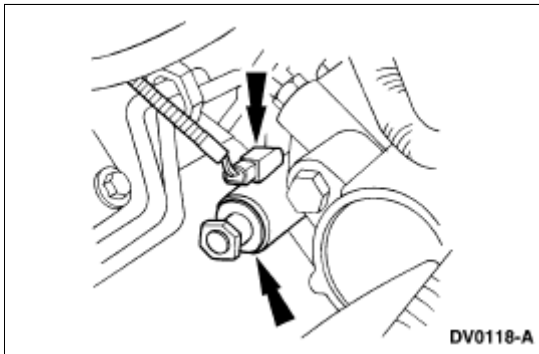
5. Remove the fuel filter/water separator assembly. For additional information, refer to [Section 310-01](#).
6. Remove the high-pressure oil pump reservoir plug.



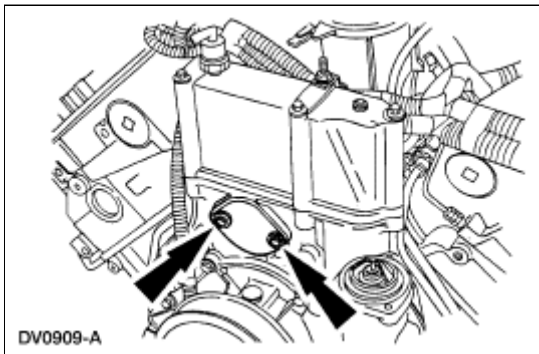
7. Using the Oil Suction Gun, remove the oil from the high-pressure oil pump reservoir.
8. Using the High-Pressure Line Disconnect Tool, remove the hoses from the high-pressure oil pump.



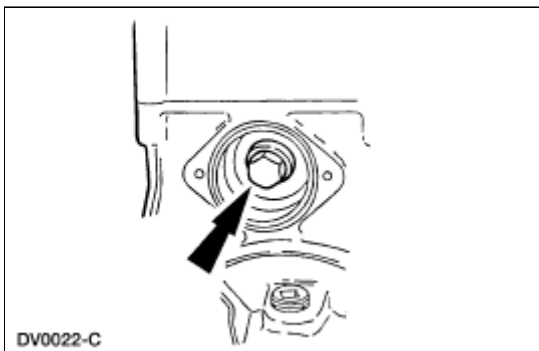
9. Disconnect the electrical connector from the oil pressure regulator.



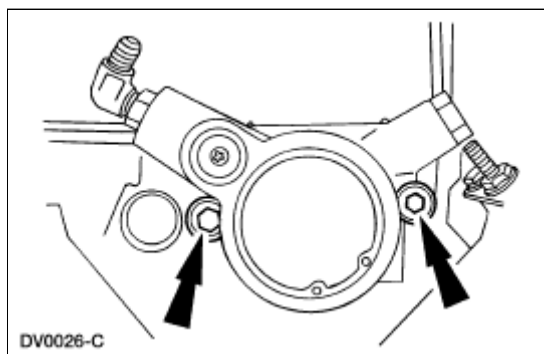
10. Remove the bolts and the cover from the engine front cover. Position the wiring harness aside.



11. Remove the drive gear bolt and washer from the drive gear.

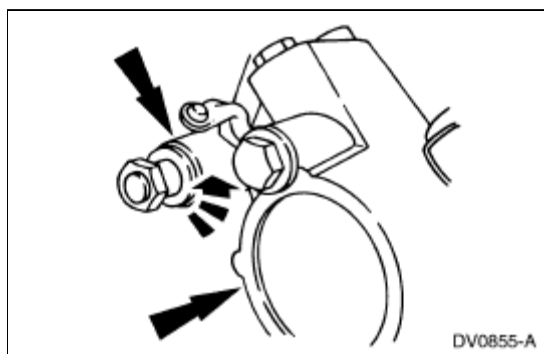


12. Remove the bolts and the high-pressure oil pump from the engine front cover. Remove and discard the gasket.




13. **NOTE:** If the high-pressure oil pump is to be replaced, remove the oil pressure regulator from the pump.

Remove the oil pressure regulator from the oil pump.



Installation

1.  **CAUTION:** Make sure that the drive gear is fully seated on the high-pressure oil pump before installing the bolt and washer. Otherwise, the drive gear may not seat properly, causing binding or slippage resulting in a no oil flow condition.

NOTE: Install a new compressor manifold O-ring seal.

Follow the removal procedure in reverse order.

